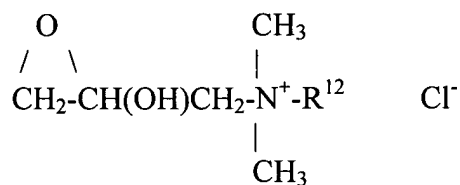


IN THE SPECIFICATIONS

[052] The residue was analyzed using a combination of gas and liquid chromatographic techniques as well as NMR spectroscopy and was shown to contain less than 0.2% free alcohol and less than 2% polar species (HPLC) and an NMR mole ratio of glucose rings to fatty chains of about 1.4. The hydroxyl value was run on the resultant product and is indicated below.

Example	Alkyl	OH Value
2	C12H25	691.9
3	C10H21	741.8
4	C8H17	795.4
5	C14H27	653.8
6	C18H37	584.4
7	C18H35	586.7
8	C20H42	555.1
9	C22H42	531.2

[057] One of the reactants of the present invention is the alkyl polyglycoside, the other a specific type of compounds conforming to the following structure;



R¹² is CH₃(CH₂)_n-

[070]

~~Applications Example 1~~ ~~Example 18~~

~~Applications Example 2~~ ~~Example 23~~

~~Applications Example 3~~ ~~Example 22~~

SCORING: 1 = Excellent;
2 = Very Good;
3 = Good;
4 = OK (moderate);
6 = Poor;
8 = No Activity

[071] Applications Results

<u>SAMPLE</u>	<u>Sa</u>	<u>Psa</u>	<u>Ca</u>	<u>An</u>	<u>Score</u>	<u>Comments</u>
Applications Example 1 <u>8</u>	2	8	3	6	19	Good on gram negative, gram positive, yeast and mold
Applications Example 2 <u>3</u>	1	2	3	8	14	Good on Bacterial and Yeast No Mold Activity
Applications Example 3- <u>22</u>	1	2	1	2	6	Excellent Activity overall

[072] The lower the score, the greater the activity.

[073] Results

[074] The analysis was run in triplicate and the average reported. The salient test is clarity, it indicates an ability to inhibit microbial growth. The “mm value” indicates the millimeters that the compound spread out from the disc.

<u>SAMPLE/%</u>	<u>mm</u>	<u>Sa</u> <u>clarity</u>	<u>mm</u>	<u>Psa</u> <u>clarity</u>	<u>mm</u>	<u>Ca</u> <u>clarity</u>	<u>mm</u>	<u>An</u> <u>clarity</u>	<u>Average</u> <u>Score</u>
Applications Example 18									
0.4 %	11	4+	0	0	8	3+	8	1+	19
0.2 %	9	3+	0	0	8	3+	0	0	
0.1 %	8	3+	0	0	8	2+	0	0	
Applications Example 23									
0.4%	13	4+	10	4+	9	3+	0	0	14
0.2 %	12	4+	8	3+	8	1+	0	0	
0.1 %	10	4+	8	3+	8	0	0	0	
Applications Example 3.22									
0.4 %	12	4+	10	4+	9	4+	9	4+	6
0.2%	12	4+	8	3+	9	4+	8	3+	
0.1%	12	4+	8	3+	9	4+	08	3+	

NOTES: 4+ = Excellent Activity;
0 = No Activity;
mm = Zone Size.

[075] Applications The product of Example 18 demonstrated ~~exceptional~~ antimicrobial activity against all four of the test organisms employed. This material compares favorably to the general antimicrobial profile of phospholipids compounds and to germicidal quats (alkyl dimethyl benzalkonium chloride quats).